

PROFIX flex

Flexible adhesive and reinforcing slurry mortar

1. Product characteristics

Cement based adhesive and reinforcing mortar containing plasticizing admixtures suitable for insulation systems

- suitable for both interior and exterior
- suitable as a reinforcing slurry for making of reinforcement layer in insulation systems
- perfect adhesion and high flexibility due to high content of re-dispersible polymers
- perfect adhesion to mineral wool and polystyrene insulation boards
- permanently water resistant
- highly frost resistant
- long open time (workability)
- meets the requirements of EN 12004 for classification into C2TES1 group

2. Use

PROFIX flex is a single-component dry adhesive and reinforcing mortar intended especially for adhesion and jointing of the insulation systems, for making reinforcing and levelling slurry especially on mineral wool and polystyrene insulation boards. It can be used for adhesion on cohesive materials from concrete, masonry, cement and lime-cement mortars. It is permanently water resistant and highly frost resistant and therefore is perfectly suitable for highly stressed and exposed surfaces e.g. plinths)

3. Physical and mechanical parameters

Color	grey
Bulk density (kg)	1 460 ± 40
Maximum layer thickness (mm)	10
Frost resistance - 25 cycles	> 0.75
Adhesion to base (MPa)	> 0.5
Tensile bending strength (MPa)	> 2.0

4. Test certificates

The product is certified according to Act No. 22/1997 Coll. and Governmental Decree No. 163/2002 Coll. Continuous independent production quality control is provided by AZL 1687 LABBET®. Supervision of quality management, environmental and OSH systems is performed by Certification Body No. 3029.

5. Instruction for preparation and application

Base must be level, cohesive and strong enough. Any incoherent, loose, weatherworn or otherwise visibly damaged concrete shall be completely removed from the surface of the repaired base. Absorbable cement and lime-cement bases must be primed with **DENSOCRETE 222**.

Preparation of the mortar. The mortar is single-component mixed with water only. 25 kg of dry mix (1 bag) is mixed with 3.5 ÷ 3.7 liters of water. After mixing it well using a low speed propeller, the mortar is let sit for 10 minutes and quickly mixed again.

Neither temperature of base nor temperature of ambient air shall be below + 5 °C and above + 30 °C.

Mortar is applied manually by a tooth or a steel finishing trowel in 10 mm maximum layer thickness on dry, resp. primed substrate. Adhesion, resp. general reinforcing is described in a special technological process.

6. Specific consumption

Specific consumption of dry adhesive mortar is 1.6 kg/m² at 1 mm of layer thickness.

7. Packing and storage

The product is packed into 25 kg PE-lined paper bags. **PROFIX flex** must be efficiently protected during transportation and storage against moisture. Shelf life in undamaged packing is 6 months.

After the expiration of min. shelf life, which is stated on the packaging, ingredients are not fully effective at reducing chromium VI below 2 ppm.

8. Health protection at work

Handling the **PROFIX flex** dry rehabilitation mortar does not require any extraordinary hygienic precautions. The product contains alkalis and therefore any contamination of mainly eyes or mucous membrane must be prevented. Health and labor safety rules applicable to work with cement or lime mortars are to be adhered to.

Issued MSDS meets the requirements of EC-Regulation 1907/2006, Article 31.

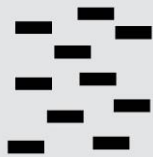
Because the product meets the criteria for classification as hazardous, it is necessary to provide the recipient or carriers with MSDS.



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SPECIAL MORTAR MATERIALS

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In countries where regulation REACH (par. 33.1): EU regulation on chemicals and their safe use (REACH: EC 1907/2006) is valid, professional users and distributors must be provided with following information automatically and without request:

This product is subject to Regulation (EC) no. 1907/2006 (REACH). It does not contain any substances that could be released from product under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.

Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from candidate list published by the European Chemicals Agency in concentrations above 0.1% (w / w).

9. Waste disposal

During disposal of contaminated packages or clearing debris from product, it is necessary to follow the Act No. 185/2001 Coll. on waste, as amended.

10. Important notice

All information mentioned above, especially advice for processing and application of our products is based on our knowledge from the development of chemical products and on years of experience with applications in practice at standard conditions, and proper storage and use. Due to the differing conditions during processing, high count of products, varying nature and modifications of base and other external influences, the procedure based on the information provided or on other written or oral recommendations, may not always ensure satisfactory working results. BETOSAN s.r.o. assumes no liability for provided advice or recommendation. The applicator must prove, that he submitted complete information on time and in writing which is necessary for a proper detailed assessment by BETOSAN s.r.o. The applicator must test the suitability of the products for the intended application. Proprietary rights of third parties, above all, must be taken into account. All received orders are subject to our current "General sales and delivery conditions ". Please always make sure that you follow the most recent issue of the Technical Data Sheet. It is available, along with other information, at our Technical Department or at www.betosan.cz

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